

(19) World Intellectual Property  
Organization  
International Bureau



10/502148



(43) International Publication Date  
31 July 2003 (31.07.2003)

PCT

(10) International Publication Number  
WO 2003/062101 A3

(51) International Patent Classification<sup>7</sup>: A47J 31/42

(21) International Application Number:  
PCT/US2003/002069

(22) International Filing Date: 23 January 2003 (23.01.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
60/351,589 23 January 2002 (23.01.2002) US

CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(71) Applicant and

(72) Inventor: CASWELL, Michael, R. [US/US]; 1744 N.E. 1st Street, Fort Lauderdale, FL 33301 (US).

Published:

— with international search report

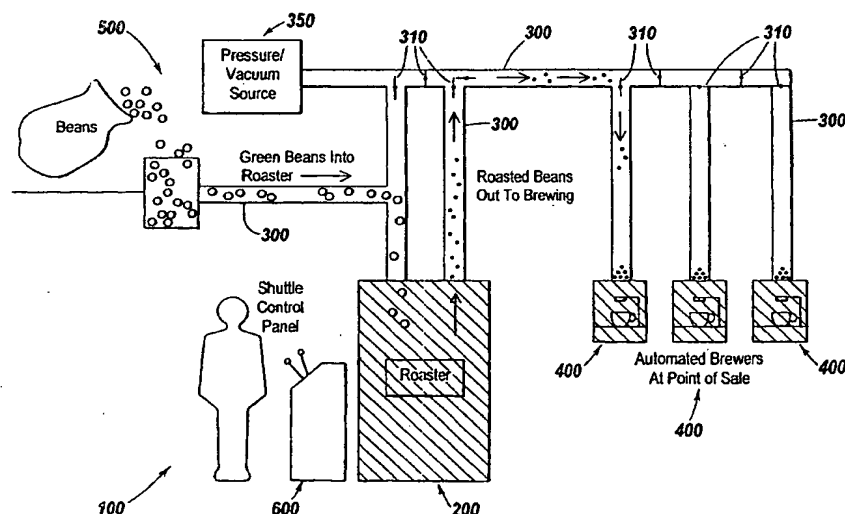
(74) Agents: RIKKERS, David, J. et al.; Lahive & Cockfield, LLP, 28 State Street, Boston, MA 02109 (US).

(88) Date of publication of the international search report:  
31 December 2003

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: COFFEE DISPENSING DEVICE AND METHOD



(57) Abstract: A coffee dispensing device is provided with a transport device (300) that couples various components for the processing of unroasted coffee beans together. For example a roaster (200) may be coupled to a grinding and brewing device (400) to enable the transfer of roasted coffee beans between the roaster and grinder/brewer. Also, the transport device may transfer the roasted coffee beans from a roaster to an output port (800) so that roasted coffee beans may be obtained. An automated coffee transaction device (ACTD) is also provided to automate aspects of the purchasing of coffee. A service delay projection calculator is also provided to estimate the expected wait time of a customer entering a queue.